

PATENT ABSTRACTS OF JAPAN

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(54) RECOVERY OF DIVALENT PHENOL FROM SCRAP POLYESTER

(57)Abstract:

PURPOSE: To obtain divalent phenol advantageously in a high yield by a method in which, after specified scrap polyester is contacted with a specified ammonia aqueous solution and an alkyl chloride to form two liquid phases, these are separated into an upper phase and a lower phase, and the divalent phenol is separated from the latter.

CONSTITUTION: An aromatic polyester selected from a polycarbonate, a copoly(ester carbonate), and a polyarylate is contacted with an ammonia aqueous solution (preferably ammonium hydroxide) which is strong enough to break the ester linkage and an alkyl chloride (preferably methylene chloride) which can dissolve the polyester at least partially to form two liquid phases composed of an upper aqueous phase and a lower alkyl chloride phase containing ammonium phenolate (divalent). Next, the upper phase is separated from the lower phase, and divalent phenol is recovered from the lower phase so that divalent phenol, especially bisphenol A, is obtained relatively rapidly and simply in a good recovery ratio.

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